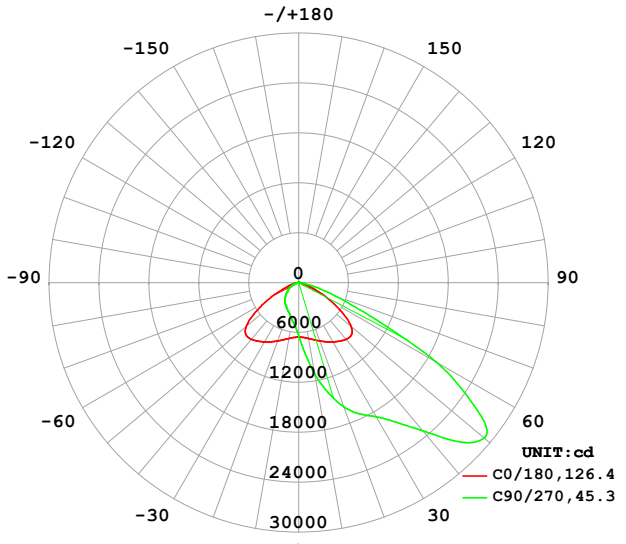
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40980.7x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

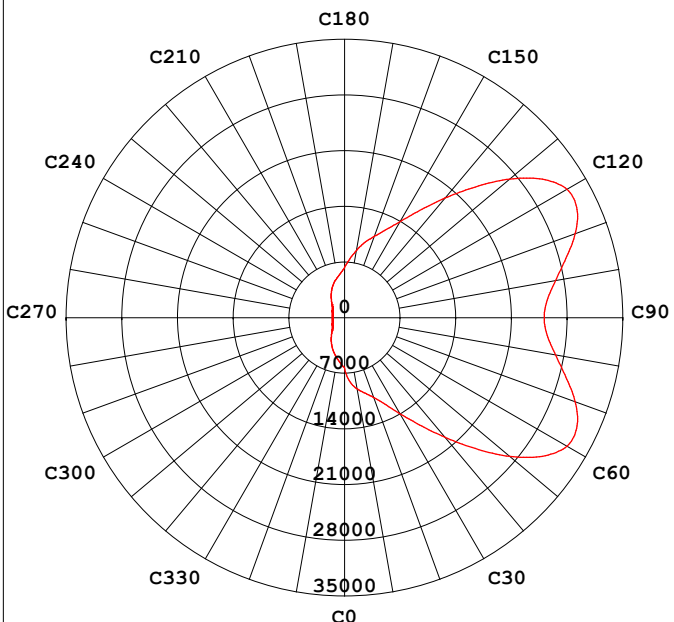
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 136.10 lm/W	
MODEL	/	Imax(cd)	32321	η street_up(%)	0.0
NOMINAL POWER(W)	/	LOR(%)	100.0	η street_down(%)	81.8
RATED VOLTAGE(V)	/	TOTAL FLUX(lm)	40981	η house_up(%)	0.0
NOMINAL FLUX(lm)	40980.7	MAXIMUM @(C,γ)	60,55.5	η house_down(%)	18.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	/	η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):85.9 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

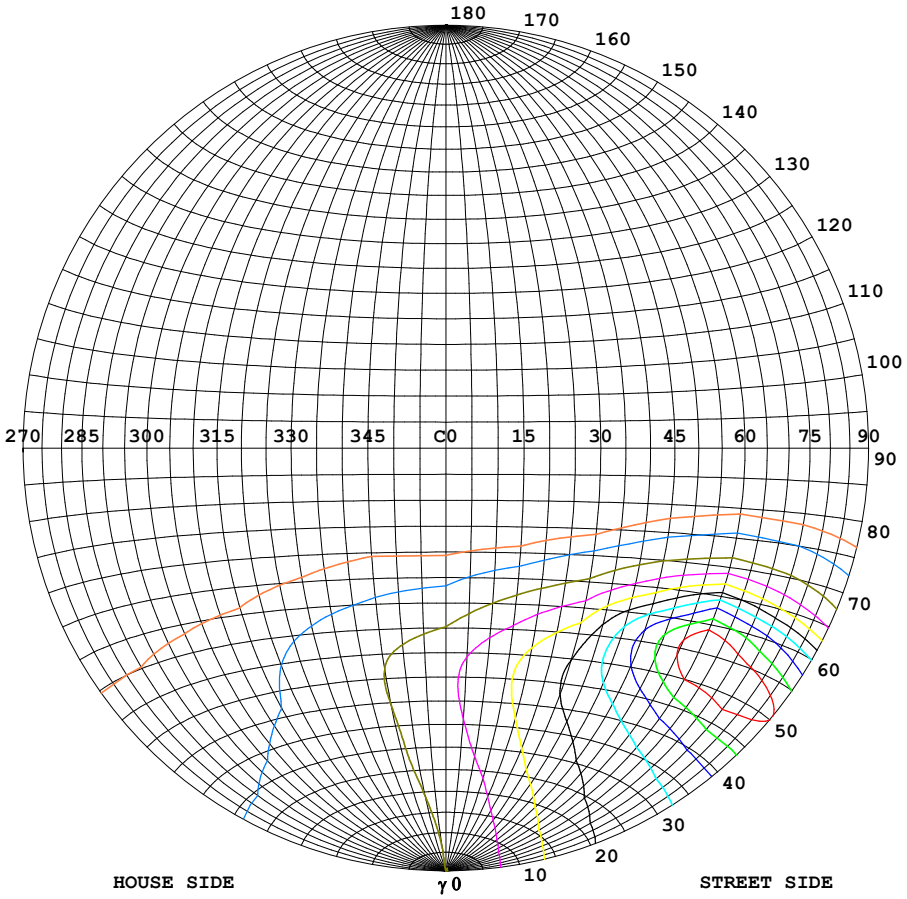


HOUSE SIDE Max @ γ = 55.5DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

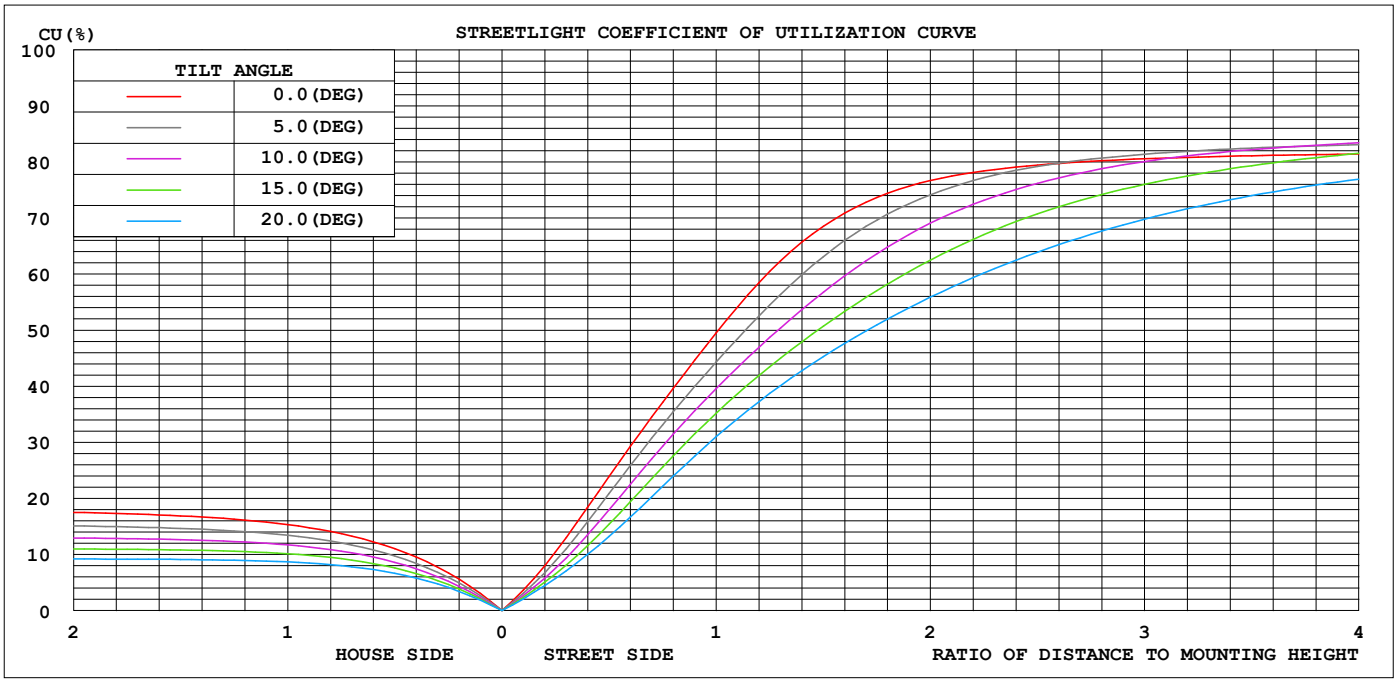
IES:Type III - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:29.67cd/klm
Max.At90:1.905cd/klm
Max.80-90:29.67cd/klm

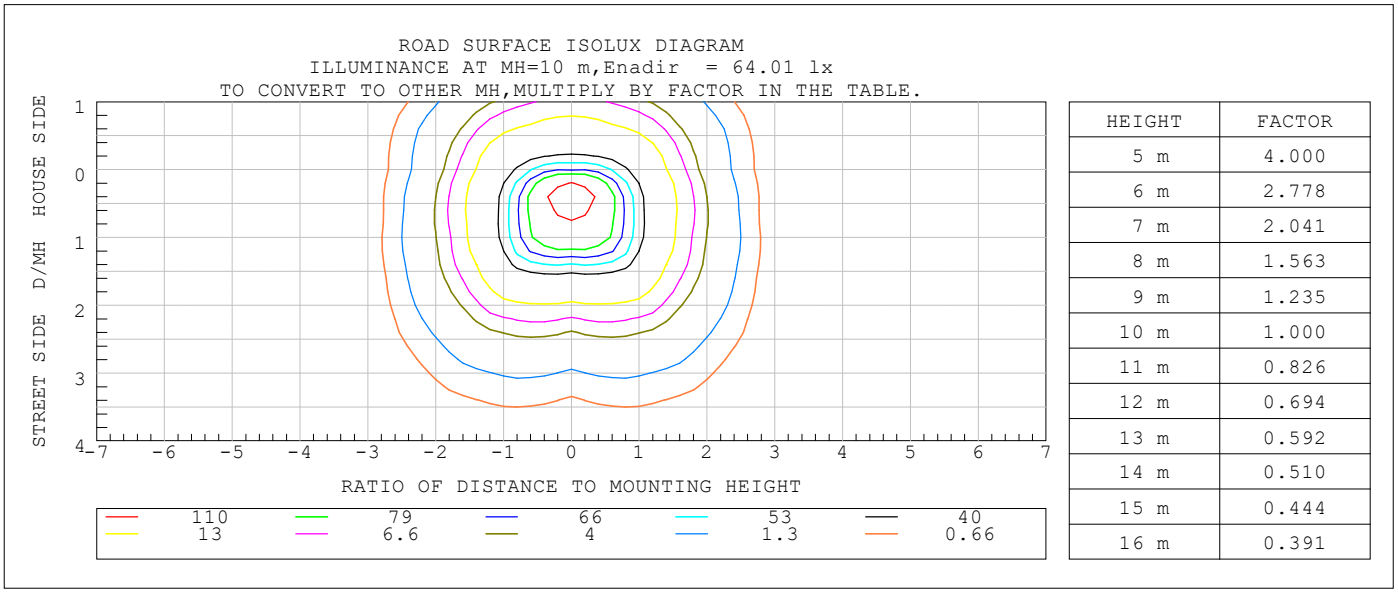
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	32321
90%	29089
80%	25857
70%	22625
60%	19393
50%	16161
40%	12929
30%	9696
20%	6464
10%	3232
5%	1616

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM





HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

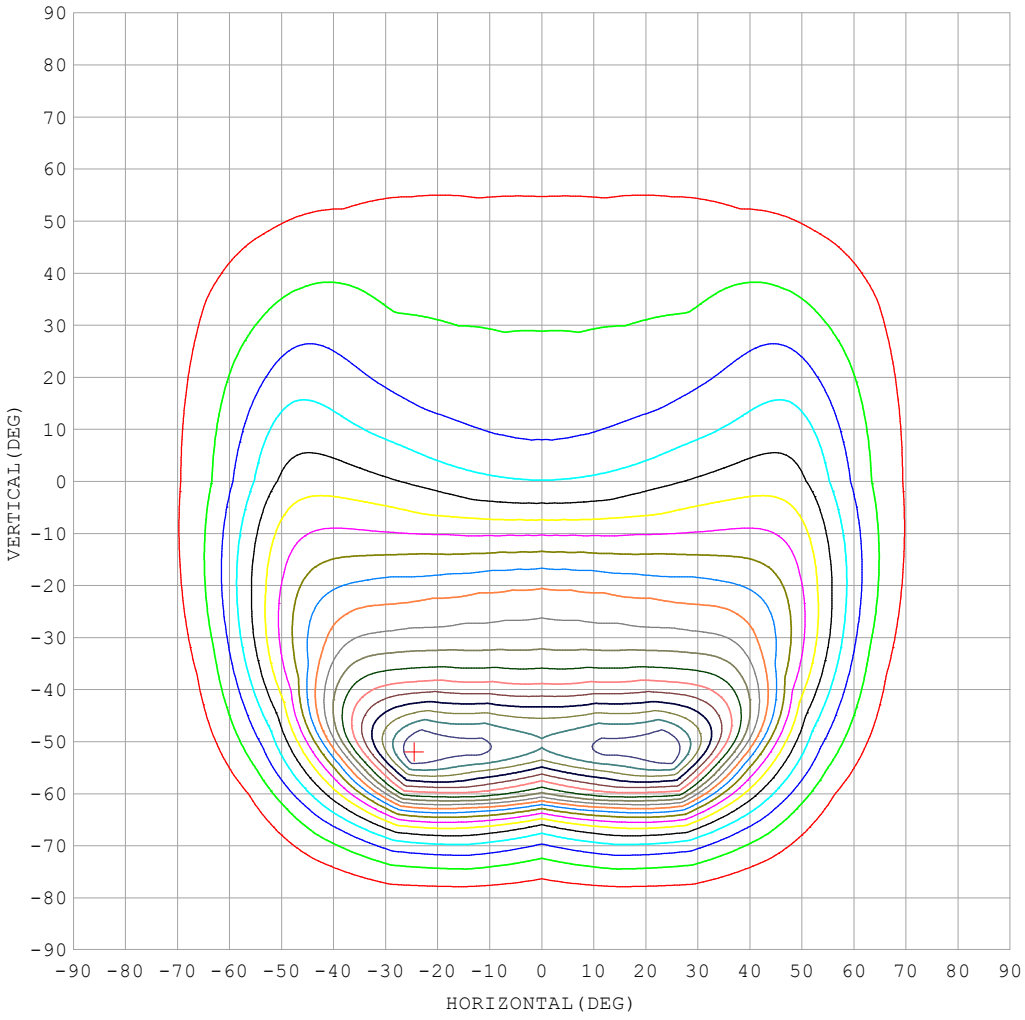
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	682.2	951.6	1111	951.6	682.2	501.4	461.0	501.4	0- 10	656.0	656.0	1.6,1.6
20	747.3	1313	1590	1313	747.3	430.7	369.0	430.7	10- 20	2284	2940	7.17,7.17
30	824.5	1603	1864	1603	824.5	383.9	315.8	383.9	20- 30	4292	7232	17.6,17.6
40	889.8	1849	2327	1849	889.8	332.8	258.0	332.8	30- 40	6497	13728	33.5,33.5
50	827.3	2249	2909	2249	827.3	275.0	190.6	275.0	40- 50	9221	22950	56,56
60	456.6	1955	1910	1955	456.6	174.5	127.7	174.5	50- 60	10436	33386	81.5,81.5
70	147.3	632.8	463.0	632.8	147.3	79.59	60.90	79.59	60- 70	5881	39267	95.8,95.8
80	33.86	82.08	59.73	82.08	33.86	22.22	17.42	22.22	70- 80	1569	40835	99.6,99.6
90	1.128	0.2430	0.2865	0.2430	1.128	6.619	6.932	6.619	80- 90	145.4	40981	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM



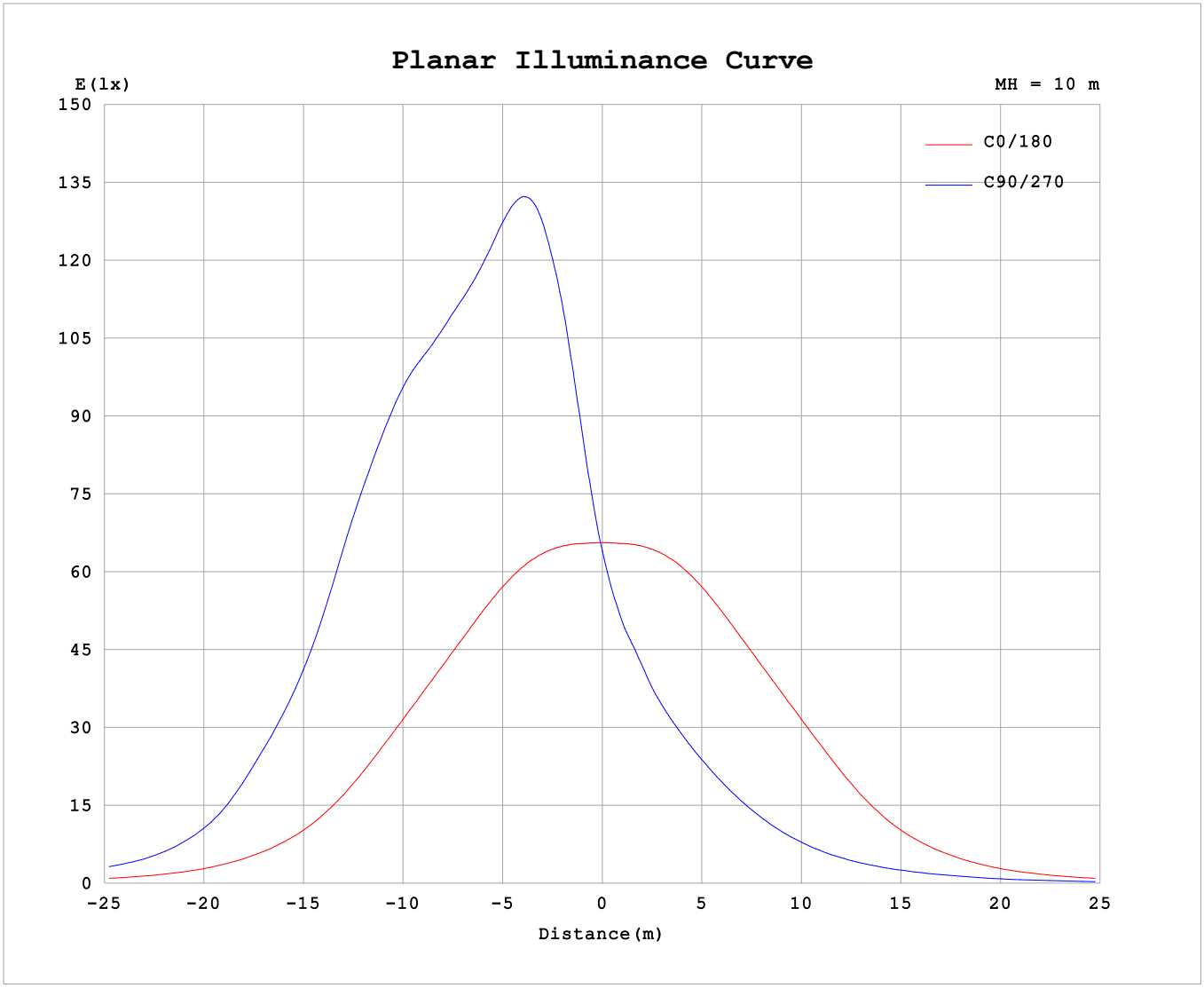
Imax:32234(H-24.5,V-52.0
(At:C=60.0,Gamma=55.5)

UNIT: cd

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

Planar Illuminance Curve



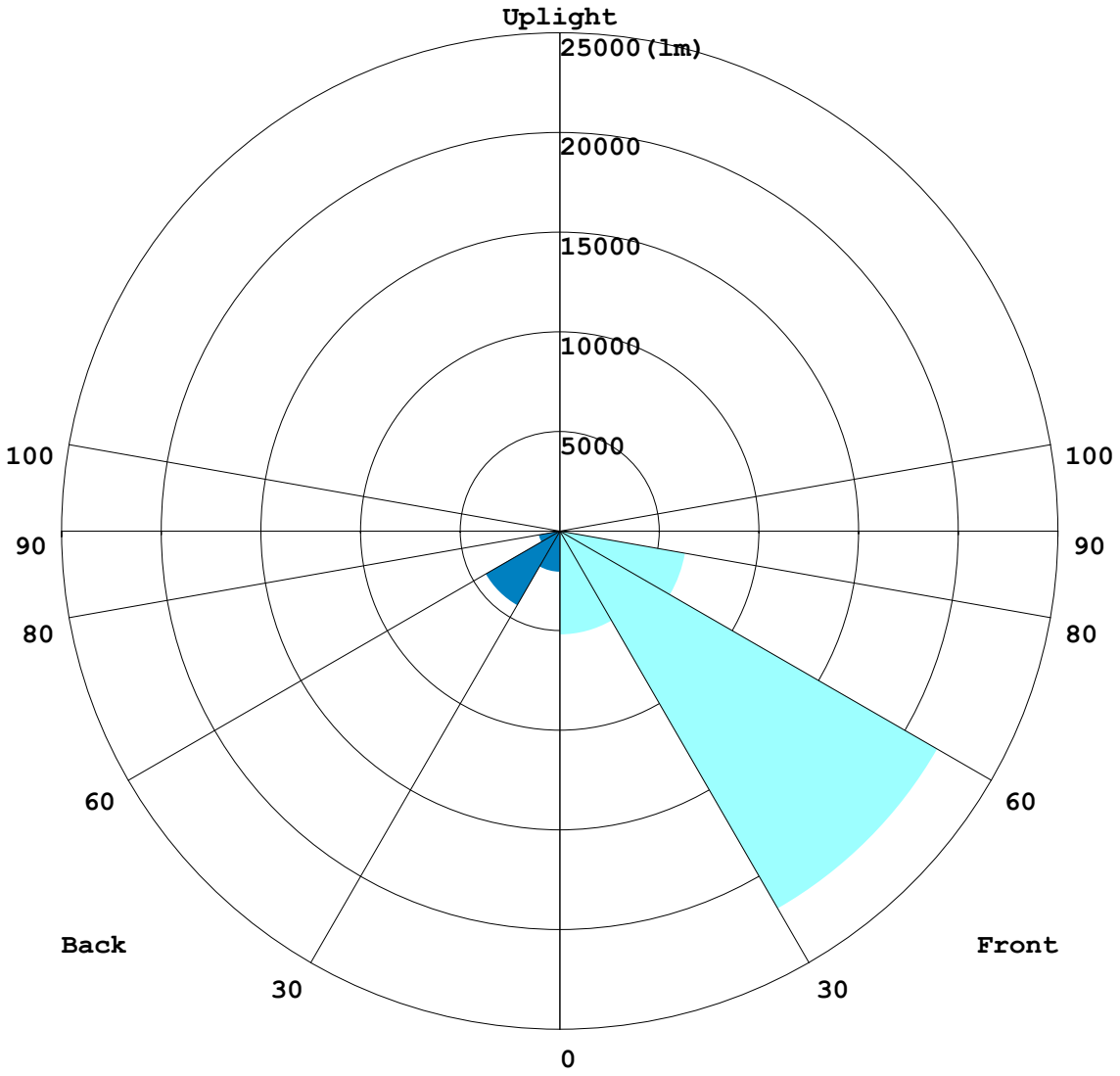
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LCS REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40980.7x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

BUG REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40980.7x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5193.3	12.7
FM - Front-Medium(30-60)	21867	53.4
FH - Front-High(60-80)	6384.5	15.6
FVH - Front-Very High(80-90)	89.082	0.2
Total Forward Light	33534	81.8
BL - Back-Low(0-30)	2038.6	5.0
BM - Back-Medium(30-60)	4287.4	10.5
BH - Back-High(60-80)	1064.8	2.6
BVH - Back-Very High(80-90)	56.323	0.1
Total Back Light	7447.1	18.2
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0
BUG(Back,Up,Glare) Rating	B3-U0-G3	

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7447.1	0	7447.1
Street Side	33534	0	33534

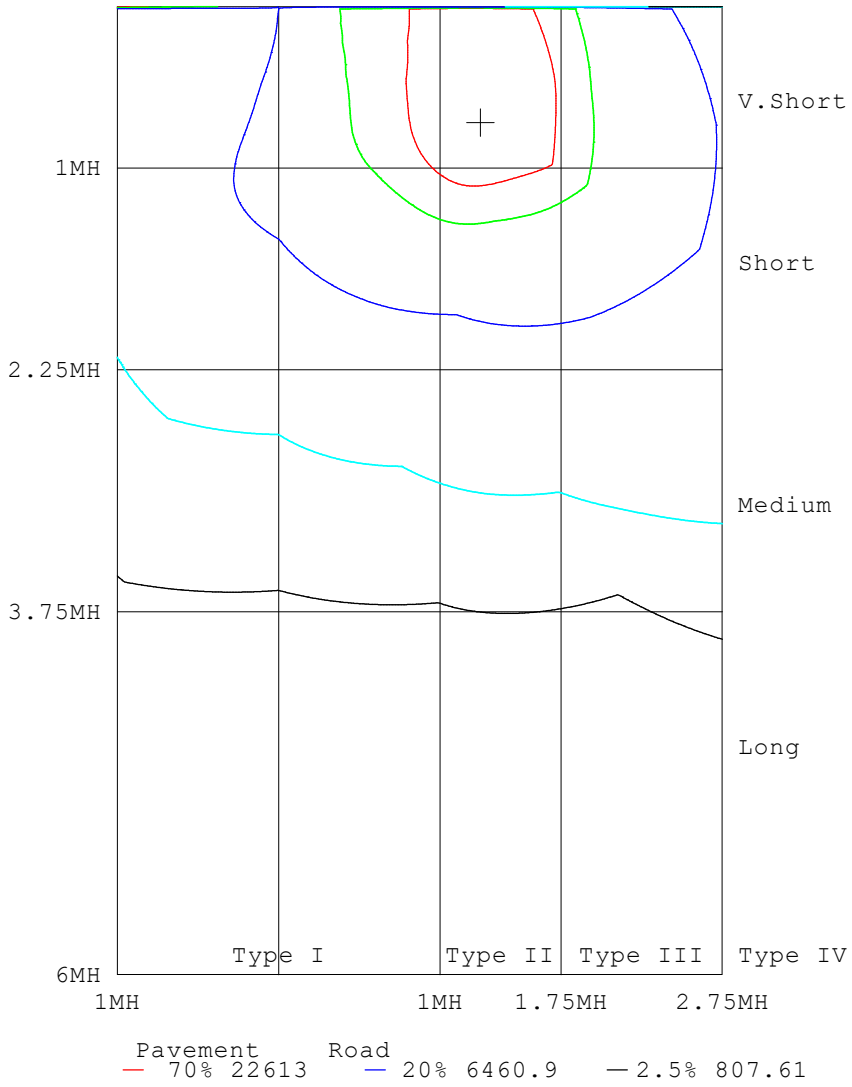
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.90V I:1.3351A P:301.10W PF:0.9810 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:40980.7x1 lm		
NAME: FL72-300(300W)-F04803-G9	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: X10cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	656	640	641	640	641	639	641	639	641	640	641	640	656	640	641	640	641	639	641
5	663	688	734	774	813	833	844	833	813	774	734	688	663	610	579	554	538	526	525
10	682	753	854	952	1038	1088	1111	1088	1038	952	854	753	682	596	541	501	479	464	461
15	711	828	990	1143	1263	1335	1366	1335	1263	1143	990	828	711	594	521	467	429	409	405
20	747	910	1129	1313	1466	1556	1590	1556	1466	1313	1129	910	747	601	506	431	393	373	369
25	786	995	1256	1470	1629	1711	1742	1711	1629	1470	1256	995	786	614	487	406	366	345	342
30	824	1078	1372	1603	1754	1833	1864	1833	1754	1603	1372	1078	824	624	473	384	341	319	316
35	859	1153	1480	1720	1889	2009	2051	2009	1889	1720	1480	1153	859	633	461	360	314	292	289
40	890	1217	1574	1849	2116	2290	2327	2290	2116	1849	1574	1217	890	647	452	333	284	262	258
45	895	1248	1635	2034	2454	2697	2702	2697	2454	2034	1635	1248	895	653	441	306	252	229	225
50	827	1194	1609	2249	2912	3049	2909	3049	2912	2249	1609	1194	827	614	410	275	219	195	191
55	655	1006	1424	2335	3229	2937	2572	2937	3229	2335	1424	1006	655	494	347	229	185	163	159
60	457	743	1078	1955	2754	2351	1910	2351	2754	1955	1078	743	457	353	261	175	148	132	128
65	269	455	689	1168	1778	1322	942	1322	1778	1168	689	455	269	246	175	121	106	94.1	90.2
70	147	206	375	633	831	682	463	682	831	633	375	206	147	149	108	79.6	69.3	62.8	60.9
75	76.2	85.3	124	275	373	323	210	323	373	275	124	85.3	76.2	79.1	61.5	46.8	41.8	38.0	37.5
80	33.9	34.5	32.4	82.1	122	98.5	59.7	98.5	122	82.1	32.4	34.5	33.9	34.9	27.6	22.2	19.1	17.5	17.4
85	7.41	6.30	4.55	6.57	6.91	5.46	4.73	5.46	6.91	6.57	4.55	6.30	7.41	8.21	7.49	7.66	8.31	8.17	7.95
90	1.13	0.24	0.23	0.24	0.26	0.27	0.29	0.27	0.26	0.24	0.23	0.24	1.13	2.80	4.48	6.62	7.81	7.49	6.93

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: X10cd

C(DEG) / γ (DEG)	285	300	315	330	345														
0	639	641	640	641	640														
5	526	538	554	579	610														
10	464	479	501	541	596														
15	409	429	467	521	594														
20	373	393	431	506	601														
25	345	366	406	487	614														
30	319	341	384	473	624														
35	292	314	360	461	633														
40	262	284	333	452	647														
45	229	252	306	441	653														
50	195	219	275	410	614														
55	163	185	229	347	494														
60	132	148	175	261	353														
65	94.1	106	121	175	246														
70	62.8	69.3	79.6	108	149														
75	38.0	41.8	46.8	61.5	79.1														
80	17.5	19.1	22.2	27.6	34.9														
85	8.17	8.31	7.66	7.49	8.21														
90	7.49	7.81	6.62	4.48	2.80														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:ZKL
Test Date:2026-01-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.491
Humidity:65.0%
Test Distance:10.250m [K=1.0000]
Remarks: